

Fig. 1 M = Cyclo-Module

Nh = Number of Rollers in Housing

Nw = Number of Waves of Cyclo Wave Disk

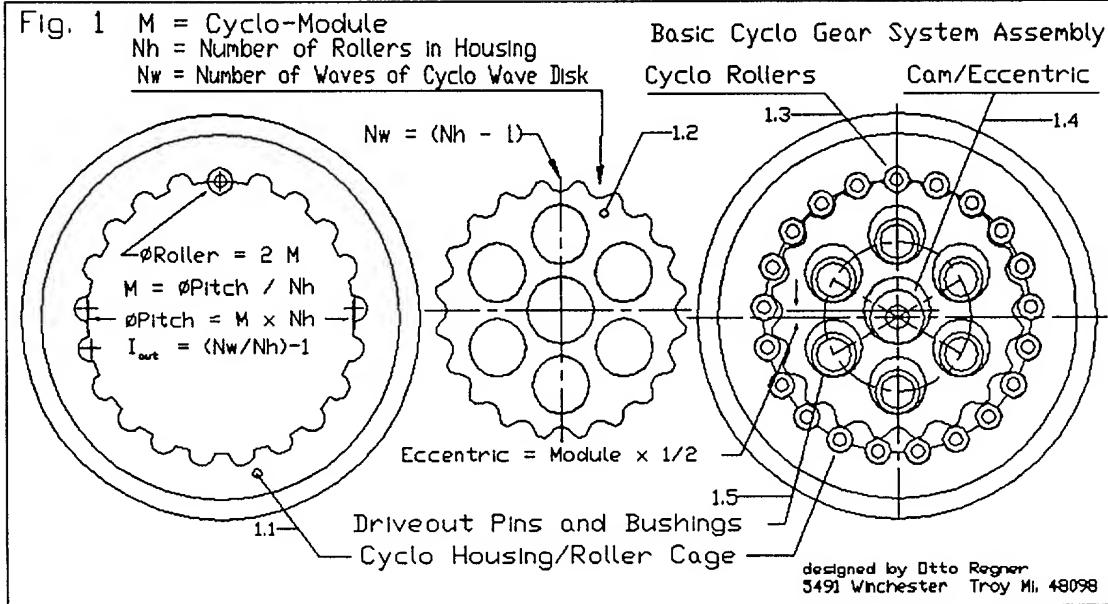


Fig. 2

Center-Driven Cyclo Gear Systems with ONE or TWO or THREE Wave Disks  
 and SIX Driveout Engagement Pins and Low Friction Bushings.

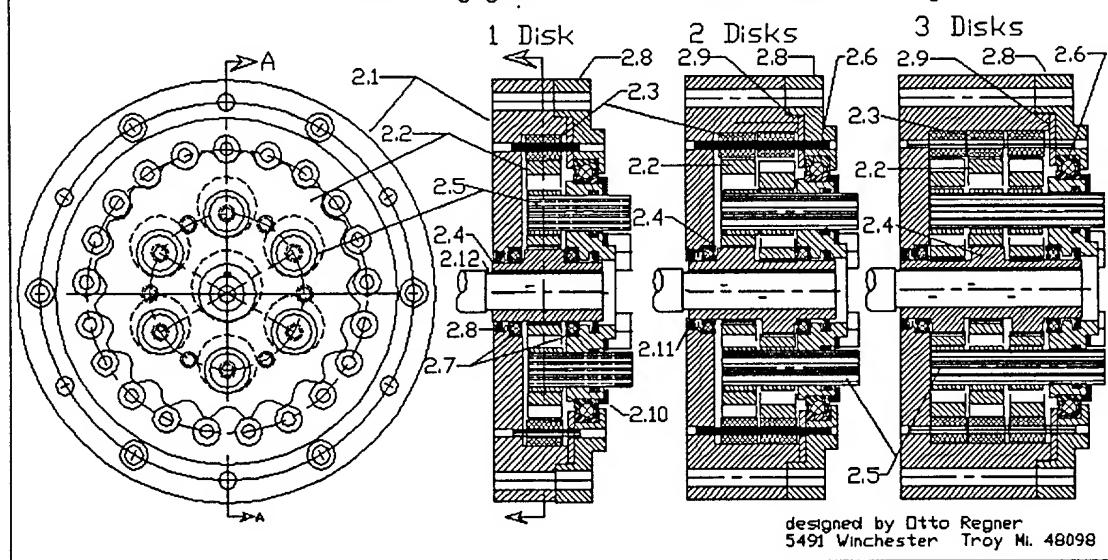


Fig. 3 Precision Cyclo Gear System with Three Camshafts, Three Wave Disks, Three Planet Gears, Three Connecting Torque Rods and One Sun Gear, and Hollow Center.

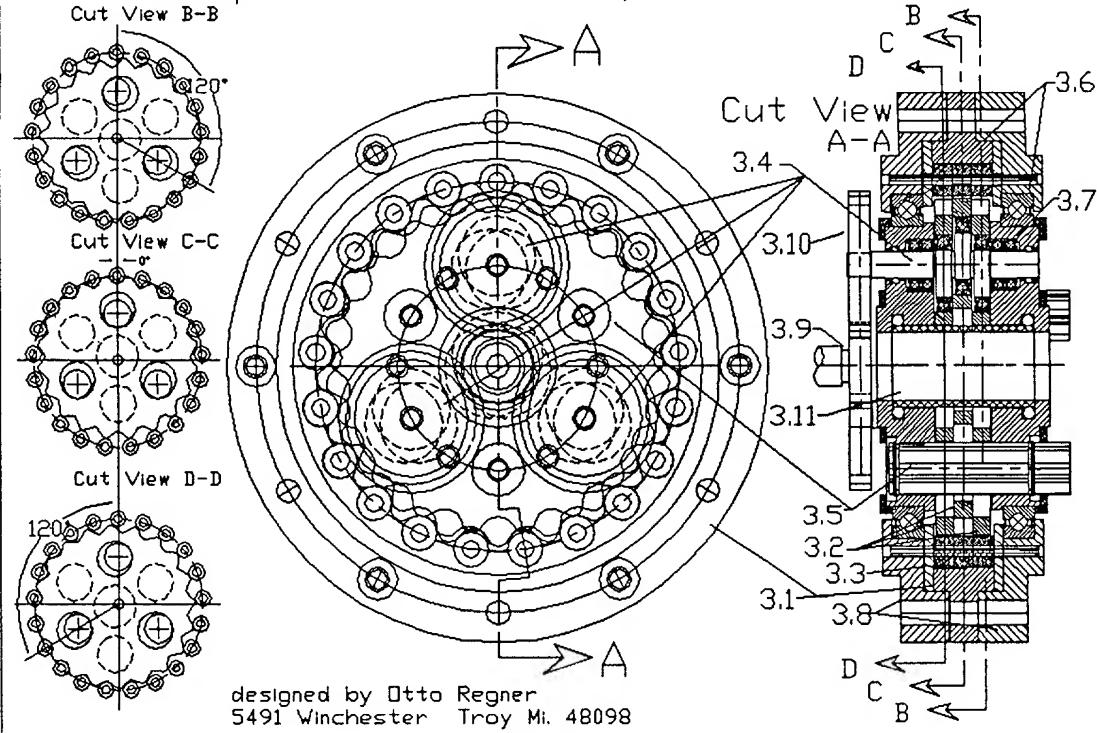


Fig. 4 Heavy-Duty Precision Cyclo Gear System with Three Camshafts, Three Torque Rods, Three Disks, Three Planet Gears, One Center or One Outer-Centered Peripheral Sun Gear, and Hollow Center, Hole

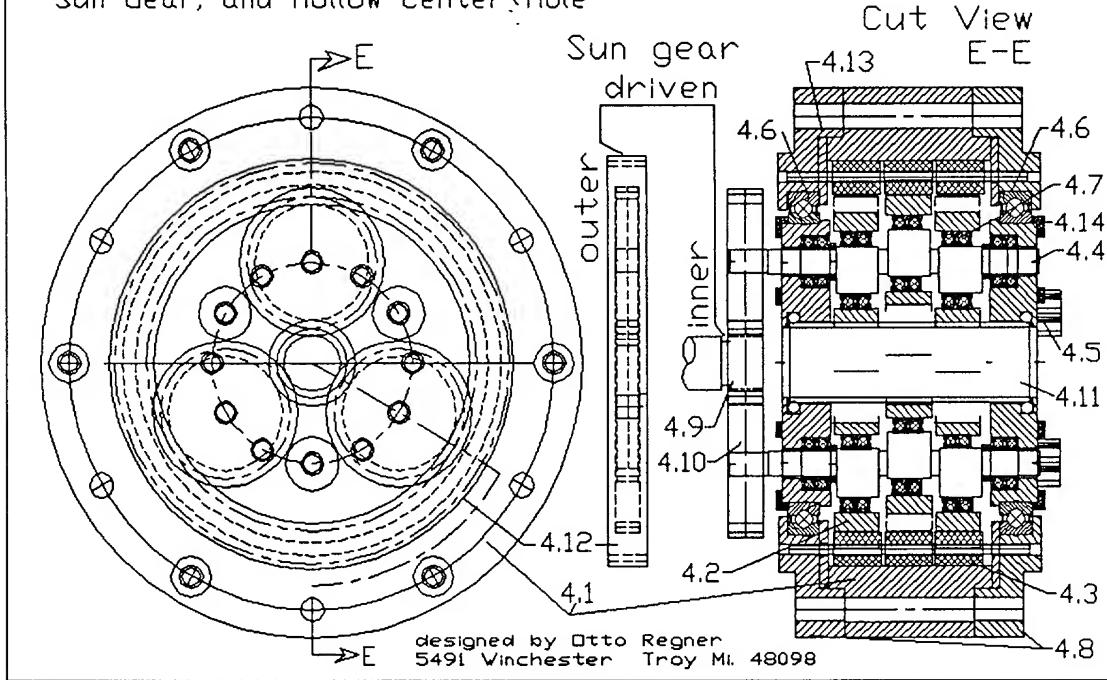


Fig. 5 Center-Driven Cyclo Integrated Gear-Axes with 1 or 2 or 3 Disks, and Six Torque Bars with Low-Friction Bushings, and Pre-Loaded Cross-Roller Bearings.

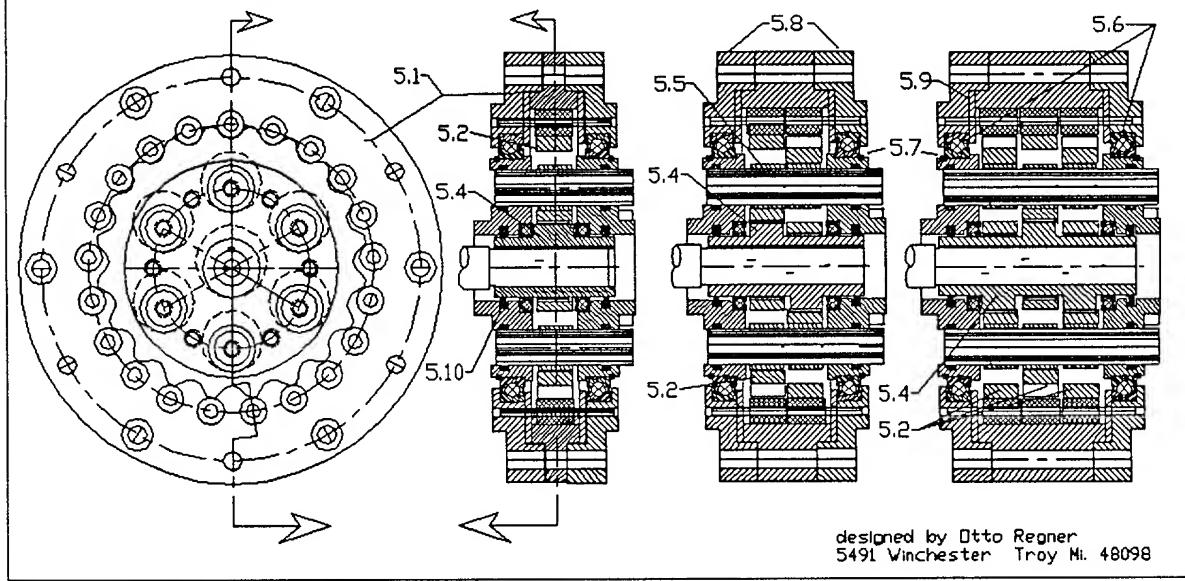


Fig. 6 ONE DISK ABSOLUTE ANGULAR ROTATION ENCODER USING LOW-POWER INFRA RED LED, TTL UP/DOWN COUNTER WITH SHIFT REGISTER AND LOCAL RECHARGEABLE BATTERY POWER BACKUP

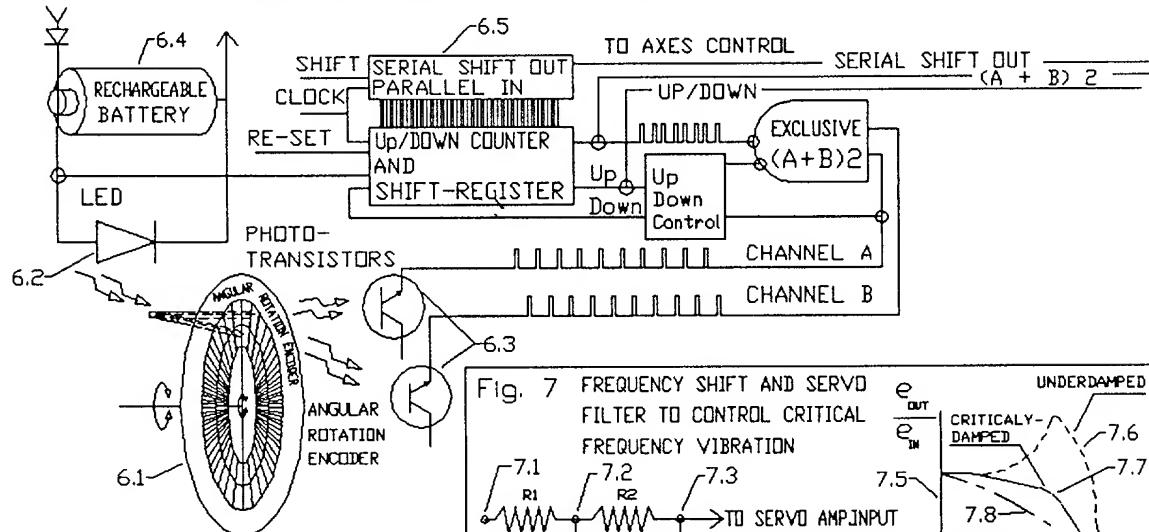


Fig. 7 FREQUENCY SHIFT AND SERVO FILTER TO CONTROL CRITICAL FREQUENCY VIBRATION

